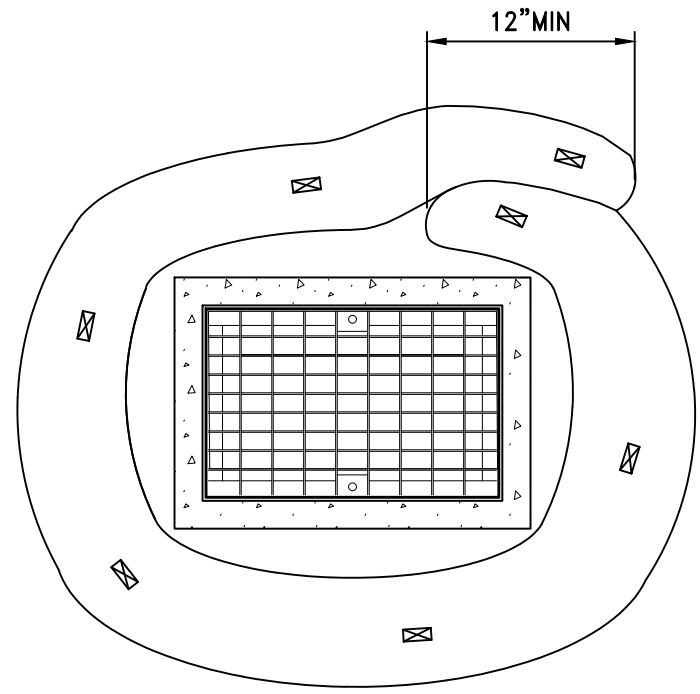
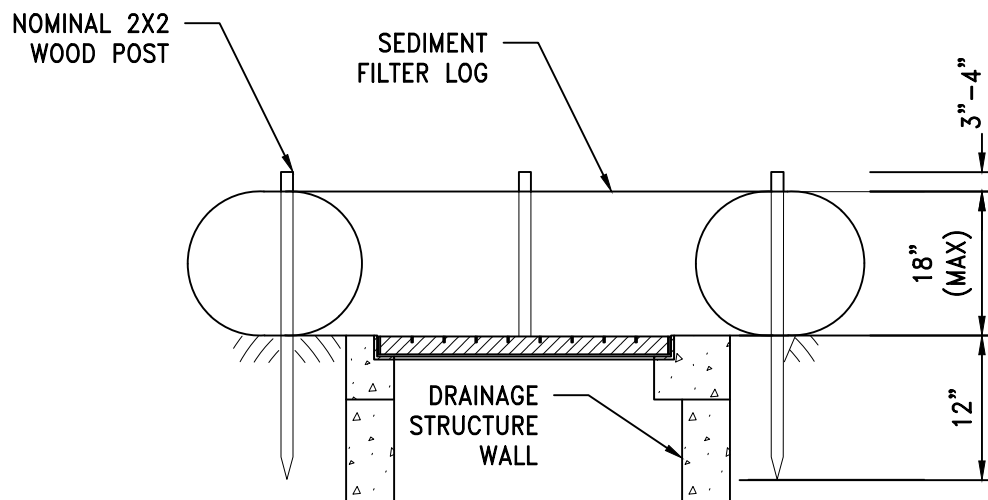


File: H:\DRAWINGS\RHINEBECK\0\22-2486\WPD-101 - 102 - DETAILS.DWG Sheet: 7/2/2024, 12:57:33 PM Plotted: 10/2/2024, 10:16:01 AM User: Irla Broiles LutzSwordBy: broiles

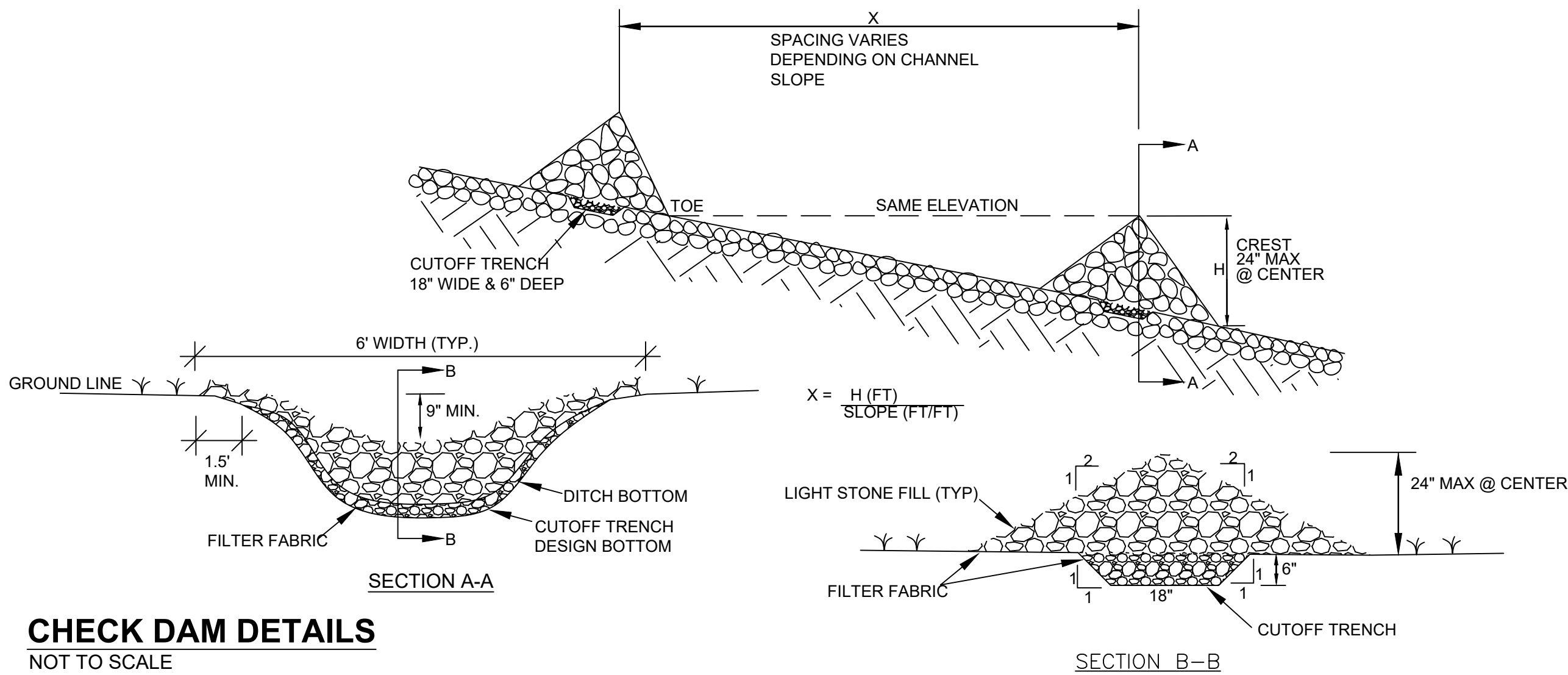


PLAN
DRAINAGE STRUCTURE INLET PROTECTION – TEMPORARY
SEDIMENT FILTER LOG



CROSS SECTION
DRAINAGE STRUCTURE INLET PROTECTION – TEMPORARY
SEDIMENT FILTER LOG

1
D-202 INLET PROTECTION TEMPORARY
SCALE: NOT TO SCALE



CHECK DAM DETAILS

NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

1. LIGHT STONE FILL PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.
2. SET SPACING OF CHECK DAMS TO ASSURE THAT THE ELEVATION OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO BLOCKAGE FROM DISPLACED STONES.

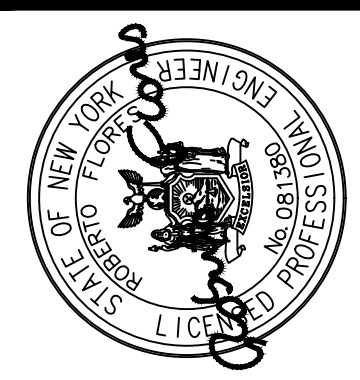
MAXIMUM DRAINAGE AREA 2 ACRES

NOTES FOR TEMPORARY EROSION AND SEDIMENT CONTROL

1. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT THROUGHOUT THE DURATION OF THE CONTRACT IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL WATER COURSES FROM WATER BORNE SEDIMENT OR POLLUTANTS ORIGINATING FROM ANY WORK DONE ON, OR IN SUPPORT OF THIS PROJECT.
2. THE SEDIMENT CONTROL NOTES AND DETAILS SHOWN ON THIS DRAWING ARE NOT INTENDED TO BE ALL INCLUSIVE BUT TO SERVE AS A GUIDELINE FOR THE DEVELOPMENT OF THE CONTRACTOR'S EROSION AND SEDIMENT CONTROL SCHEDULE REQUIRED.
3. THE CONTRACTOR SHALL IDENTIFY STAGING, STOCKPILE AND SPOIL DISPOSAL AREAS FOR OWNER'S REVIEW AND APPROVAL PRIOR TO THE START OF CONSTRUCTION.
4. THE CONTRACTOR SHALL OBSERVE ALL RULES AND REGULATIONS OF THE STATE OF NEW YORK AND AGENCIES OF THE FEDERAL GOVERNMENT THAT APPLY TO THIS PROJECT.
5. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE BEFORE COMMENCING WORK WITHIN AN AREA. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL CONFORM TO THE "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL".
6. DISTURBED AREAS THAT ARE NOT UNDER ACTIVE EXCAVATION WILL BE MULCHED AND SEEDED WITHIN ONE DAY FOLLOWING CESSATION OF ACTIVITY IN THE AREA. ALL UTILITY LINE TRENCHES WILL BE BACKFILLED AT THE END OF EACH WORKDAY AND WILL BE MULCHED AND SEEDED. SILT FENCE WILL BE PLACED AROUND SOIL AND STONE STOCKPILES THAT WILL REMAIN IN PLACE FOR MORE THAN 7 DAYS. SOIL STOCKPILES THAT WILL REMAIN IN PLACE FOR MORE THAN SEVEN DAYS WILL BE MULCHED AND SEEDED.
7. IN NON-PAVED AREAS OUTSIDE OF ROADWAYS WITH A SLOPE GREATER THAN 15% OR AS NOTED BY THE ENGINEER, EROSION CONTROL BLANKETS WILL BE INSTALLED TO CONTROL EROSION. THE AREA WILL BE GRADED, SEEDED, AND THE EROSION CONTROL BLANKET APPLIED TO THE PREPARED SEEDBED. IF CONDITIONS PRECLUDE SEEDED, THE EROSION CONTROL BLANKET WILL BE APPLIED TO THE ROUGH GRADED AREA.
8. CHECK DAMS WILL BE USED WITHIN DRAINAGE DITCHES TO CONTROL SEDIMENTATION IN AREAS WHERE THERE IS A POTENTIAL FOR SOIL TO BE TRANSPORTED TO THE DITCH. CHECK DAMS WILL BE USED TO CONTAIN SEDIMENT AT LOCATIONS ABOVE, WHERE EXISTING DRAINAGE PATTERNS DIRECT ROAD RUNOFF TO A WATER BODY.
9. ANY TURBID DISCHARGES FROM DEWATERING AREAS WILL BE DIRECTED TO EITHER A SETTLING TANK OR A STABLE, LEVEL, GRASSED AREA, AT LEAST 100 FEET FROM WATERCOURSES AND WETLANDS. IF THE DISCHARGE IS DIRECTED TO A STABLE, LEVEL VEGETATED AREA, THE DISCHARGE AND ANY RELATED DEWATERING FILTER AREA WILL BE SURROUNDED BY A SILT CURTAIN SEDIMENT BARRIER. SETTLING TANKS AND DEWATERING FILTER DEVICES SHALL BE OF SUFFICIENT CAPACITY TO HANDLE THE DISCHARGE OF THE PUMPS SUCH THAT THE WATER RETURNED TO A STREAM IS CLEAR. NO DISCHARGES SHALL CAUSE A SUBSTANTIAL VISIBLE CONTRAST TO NATURAL CONDITIONS. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR WILL IDENTIFY DISCHARGE LOCATIONS AND METHODS FOR TRENCH DEWATERING OPERATIONS TO ENSURE TURBIDITY FREE DISCHARGE TO ANY RECEIVING WATER BODY.
10. IN PAVEMENT AREAS ALL UTILITY LINE TRENCHES WILL BE BACKFILLED AT THE END OF EACH WORKDAY. ALSO, THE TRENCH AREA WILL BE TEMPORARILY COVERED WITH THE REQUIRED AMOUNT OF ROAD SUBBASE PLUS THE ADDITIONAL AMOUNT NEEDED TO MEET THE EXISTING ROAD GRADE TO MINIMIZE EROSION. THE CONTRACTOR WILL BE REQUIRED TO INSTALL A MINIMUM OF 2" COLD PATCH OVER THE REQUIRED SUBBASE IN ALL DISTURBED AREAS ON A DAILY BASIS ONCE THE ASPHALT PLANTS HAVE SHUT DOWN FOR THE WINTER. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN THE SURFACE IN GOOD CONDITION TO THE SATISFACTION OF THE OWNER AND THE ENGINEER. THE COLD PATCH SHALL BE REMOVED AND REPLACED WITH THE SPECIFIED AMOUNT OF TYPE 3 BINDER ASPHALT AS SOON AS THE ASPHALT PLANTS REOPEN IN THE SPRING.
11. THE SEDIMENT AND EROSION CONTROLS WILL BE MAINTAINED DURING ALL CONSTRUCTION ACTIVITIES AND UNTIL AREAS WITH THE POTENTIAL FOR EROSION HAVE BEEN STABILIZED. DISTURBED AREAS ARE CONSIDERED PERMANENTLY STABILIZED WHEN 80 PERCENT OF THE AREA HAS ATTAINED PERENNIAL VEGETATIVE COVER.
12. CONTRACTOR WILL INSPECT EROSION AND SEDIMENT CONTROLS ON A DAILY BASIS. INSPECTION OF TEMPORARY SOIL EROSION AND POLLUTION CONTROL DEVICES SHALL BE DONE BY A QUALIFIED PROFESSIONAL ON A WEEKLY BASIS. A.O.B.E. REPAIRS SHALL BE MADE AS NEEDED. SEDIMENT SHALL BE REMOVED WHEN THE STORAGE VOLUME OF AN EROSION CONTROL MEASURE IS APPROACHING ONE HALF OF ITS INTENDED CAPACITY OR A.O.B.E. THE CONTRACTOR OR ENGINEER WILL COMPLETE A SITE LOGBOOK DOCUMENTING ALL INSPECTIONS AND MAINTENANCE ACTIVITIES. AN INSPECTION SHALL BE SCHEDULED PRIOR TO COMMENCEMENT OF CONSTRUCTION AND A CERTIFICATION SHALL BE PROVIDED STATING THAT THE SITE IS READY FOR CONSTRUCTION TO START.
13. IMMEDIATELY UPON COMPLETION OF EXCAVATION OR EMBANKMENT, THE CONTRACTOR SHALL INSTALL THE APPROPRIATE FINAL DITCH LINING AS SHOWN IN THE CONTRACT DOCUMENTS AND/OR PLACE TEMPORARY DITCH CHECK DAMS IN ALL ROADWAY AND OUTLET DITCHES AS ORDERED BY THE ENGINEER.
14. WHERE THE CONTRACTOR PROVIDED TEMPORARY CHANNELS TO KEEP WORK SITES FREE FROM WATER DURING CONSTRUCTION, A TEMPORARY LINING MATERIAL MAY BE REQUIRED, A.O.B.E. NO DIRECT PAYMENT WILL BE MADE FOR THIS WORK; THE COST IS TO BE INCLUDED IN THE OTHER ITEMS OF THIS CONTRACT.
15. THE CONTRACTOR SHALL INSTALL OR CONSTRUCT AS SHOWN IN THE CONTRACT DOCUMENTS OR AS ORDERED BY THE ENGINEER, ALL EROSION AND SEDIMENT CONTROL DEVICES, INCLUDING BUT NOT LIMITED TO SILT FENCE, CULVERT INLET TRAPS, SEDIMENT BASINS OR POOLS, CHECK DAMS AND EROSION CONTROL BLANKETS. THESE APPURTENANCES SHALL BE PROVIDED AS AN INTEGRAL PART OF CONSTRUCTING A CULVERT AND SHALL BE MAINTAINED AND REPLACED AS REQUIRED.
16. THE CONTRACTOR SHALL GRADE AND TRIM ALL SLOPES AS THE EXCAVATION PROGRESSES AND SEED ALL SLOPES, A.O.B.E.
17. THE CONTRACTOR SHALL HAVE A HYDROSEEDER AND/OR A MULCHING MACHINE AVAILABLE ON THE PROJECT UNTIL THE PERMANENT SEEDING IS COMPLETED.
18. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO PREVENT ANY DAMAGE TO THE STREAM FROM POLLUTION BY DEBRIS, SEDIMENT, OR OTHER FOREIGN MATERIAL, OR FROM MANIPULATION OF EQUIPMENT AND/OR MATERIALS IN OR NEAR THE STREAM. THE CONTRACTOR SHALL NOT RETURN DIRECTLY TO THE STREAM ANY WATER WHICH HAS BEEN USED FOR WASH PURPOSES OR OTHER SIMILAR OPERATIONS WHICH CAUSE THIS WATER TO BECOME POLLUTED WITH SAND, SILT, CEMENT, OIL OR OTHER IMPURITIES. IF THE CONTRACTOR USES WATER FROM THE STREAM, THE CONTRACTOR SHALL CONSTRUCT AN INTAKE OR TEMPORARY DAM REQUIRED TO PROTECT AND MAINTAIN WATER QUALITY.
19. DURING CONSTRUCTION, NO WET OR FRESH CONCRETE OR LEACHATE SHALL BE ALLOWED TO ESCAPE INTO THE WATERS OF THE UNITED STATES, NOR SHALL ANY WASHING FROM REDIMIX TRUCKS, MIXERS OR OTHER DEVICES BE ALLOWED TO ENTER ANY WETLANDS OR WATERS
20. THE SCHEME PROPOSED BY THE CONTRACTOR TO ACCOMPLISH THE WORK FOR EROSION AND SEDIMENT CONTROL SHALL BE SUBJECT TO APPROVAL OF THE OWNER.
21. ONLY GRAVEL FILL WILL BE ACCEPTABLE IN GRAVEL BAGS. GRAVEL FILL SHALL BE FREE OF SILT AND GRAVEL BAGS SHALL BE REMOVED IN THEIR ENTIRETY AT THE COMPLETION OF THE PROJECT.
22. COFFERDAMS, IF REQUIRED, MAY BE CONSTRUCTED FROM MATERIALS OTHER THAN WHAT IS SHOWN IN THE DETAIL, AS APPROVED BY THE OWNER. MATERIALS SHALL NOT BE USED THAT ARE ERODIBLE, WOULD BE HARMFUL TO PLANTS OR ANIMALS OR WOULD ADVERSELY AFFECT WATER QUALITY.
23. INSTALLING, CLEANING, AND REMOVING SOIL EROSION AND WATER SEDIMENT CONTROL DEVICES SHALL BE PAID UNDER EROSION AND SEDIMENTATION CONTROL BID ITEMS.
24. STRAW BALES AND/OR HAY BALES CAN ONLY BE USED AS SUPPORT FOR SILT FENCING OR OTHER EROSION CONTROL MEASURE.
25. AT LOCATIONS WHERE THERE IS SIGNIFICANT FLOW IN ROADSIDE DRAINAGE DITCHES/SWALES, IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONTAIN WATER AS NEAR AS POSSIBLE TO THE SOURCE, AND PUMP WATER AWAY FROM EXCAVATION AREAS TO PREVENT SOILS FROM BECOMING ENTRAINED IN THE WATER.

DATE: 7/2/2024
DRAWN BY:
SCALE:
REVIEWED BY: RF
PROJECT NO.:
FILE:

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CIVIL AND ENVIRONMENTAL ENGINEERING
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55 SOUTH MAIN ST ONEONTA, NY 13820 - 607-432-8073
31 NORTH MAIN STREET, LIBERTY, NY 12754 - 845-747-0962
16 EAST MARKET STREET, RED HOOK, NY 12571 - 518-452-1290
548 BROADWAY, MONTICELLO, NY 12701 - 845-791-7777



NO.	DATE	DESCRIPTION

RHINEBECK WTP
PLANT IMPROVEMENTS
VILLAGE OF RHINEBECK
DUTCHESS COUNTY, NEW YORK

SEDIMENT CONTROL
NOTES & DETAILS

SHEET:
D-202

WARNING - IT IS A VIOLATION OF NEW YORK EDUCATION LAW SECTION 7209.2, FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATION LAW, SECTION 7209.2.